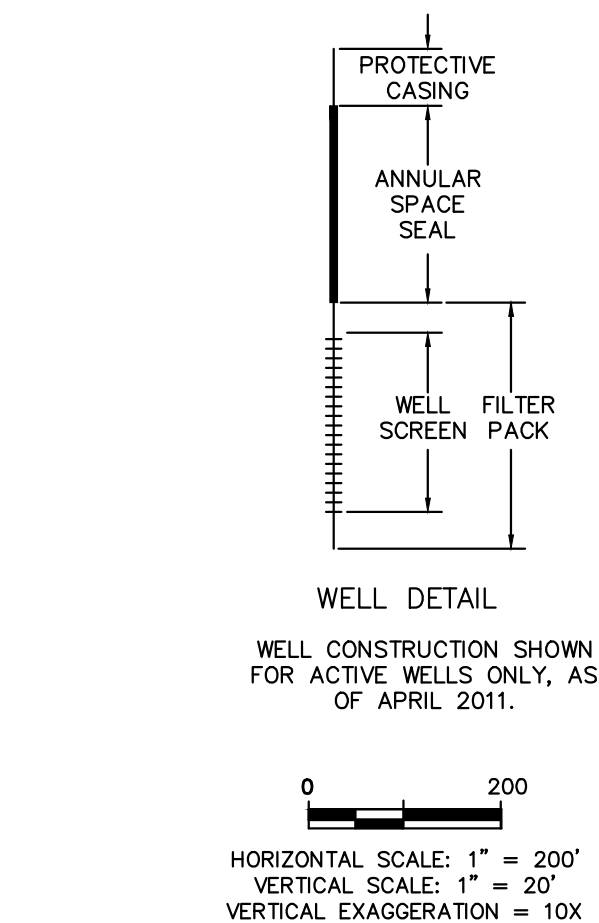


**G  
WEST**

GW	GRAVEL, WELL GRADED, LITTLE OR NO FINES
GP	GRAVEL, POORLY GRADED, LITTLE OR NO FINES
GM	SILTY GRAVEL
GC	CLAYEY GRAVEL
SW	SAND, WELL GRADED, LITTLE OR NO FINES
SP	SAND, POORLY GRADED, LITTLE OR NO FINES
SP-SM	SAND, POORLY GRADED WITH SILT
SM	SILTY SAND
SC	CLAYEY SAND
ML	SILT
CL-ML	SILTY CLAY
CL	LEAN CLAY
CH	FAT CLAY
OL	ORGANIC SILT OR CLAY, LOW PLASTICITY
OH	ORGANIC SILT OR CLAY WITH HIGH PLASTICITY
PT	PEAT

LI	LIQUID LIMIT
PI	PLASTICITY INDEX
NP	NON-PLASTIC
OC	ORGANIC CONTENT (%)
MC	MOISTURE CONTENT (%)
K <sub>v</sub>	LABORATORY VERTICAL HYDRAULIC CONDUCTIVITY (cm/sec)
K <sub>h</sub>	FIELD HORIZONTAL HYDRAULIC CONDUCTIVITY (cm/sec)
5/30/42/28	PERCENT GRAVEL, SAND, SILT, AND CLAY
0/87/13	PERCENT GRAVEL, SAND, AND SILT PLUS CLAY
(528.16)	GROUNDWATER ELEVATION ON 4/4/11 (FEET ABOVE MEAN SEA LEVEL)
WATER	WATER TABLE (SEE NOTE 5)
CONTACT	CONTACT BETWEEN MAJOR GEOLOGIC UNITS (DASHED WHERE INFERRED)
BEDROCK	BEDROCK SURFACE (SEE NOTE 6)



GENERAL DESCRIPTION OF MAJOR GEOLOGIC UNITS:

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UNCONSOLIDATED DEPOSITS

ORGANIC SOILS

GENERALLY BLACK PEAT (PT), FIBROUS TO WEATHERED, WITH MINOR AMOUNT OF ORGANIC SILT (CL) AND/OR CLAY (GH) DEPOSITED IN WETLANDS.

GLACIAL/AQUICLUSTINE SEDIMENTS

GENERALLY ORGANIC OR DARK GRAY SILT AND CLAY (CL, CL-ML, ML), DEPOSITED IN A GLACIAL LAKE ENVIRONMENT. INCLUDES DISCONTINUOUS LENSES OF GLACIOFLUVIAL SAND AND GRAVEL.

GLACIAL SILT

GENERALLY BROWN OR GRAY SILT, SANDY DIAMICTON (SM, GM, ML) DEPOSITED BY OR FROM GLACIAL ICE AS BASAL TILL. INCLUDES DISCONTINUOUS LENSES OF SAND AND SILT/CLAY. TWO TILL UNITS MAY BE PRESENT, INCLUDING THE LOWER TILL UNIT OF THE HOLY HILL FORMATION AND AN OLDER TILL THAT IS DENSE AND GRAY IN COLOR. THE LOWER TILL IN SOME LOCATIONS INCLUDES BEDDING IN THE BEDROCK.

GLACIOFLUVIAL SEDIMENTS

GENERALLY GRAY SAND AND GRAVEL (SP-GM, SP-SM, SW, GW) DEPOSITED BY GLACIAL MELTWATER. INCLUDES DISCONTINUOUS LENSES OF SILT/CLAY.

**BEDROCK**

**SILTE - MAQUOKETA FORMATION**

GREENISH GRAY SHALE WITH SILTY DOLOMITIC BEDS. CLAY COMPOSITION IS PRIMARILY ILLITE-TO-LATE ORDOVICIAN AGE.

**DOLOMITE - SHANPEEK GROUP**

WHITE TO LIGHT GRAY MASSIVE DOLOMITE AND SHALE; DOLOMITE, WITH CERT. MIDDLE ORDOVICIAN AGE.

